

아래의 사진은 실제 가속도 센서의 크기와 같습니다(BA24CM, SAF11, SAF51A, STAF223은 제외).

전하 출력형 가속도 센서

P.13~14

S04SG2
0.35pC/g



S2SG
1.6pC/g



S3SC
3pC/g



S2SCB2
2pC/g



BW21SG2
18.4pC/g



S41SCB2
36.7pC/g



S31SC
30pC/g



P51C
50pC/g



S42SC
350pC/g



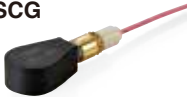
P51SCH2
50pC/g



앰프 내장형 가속도 센서

P.15

SAR11SCG
10mV/g



SA51SC
50mV/g
SA12SC
100mV/g



SA11C
10mV/g



SA11SC
10mV/g



BA24CM
15,000mV/g



SAR12SCLM
100mV/g



설비 감시용 가속도 센서

P.16

SAF11
10mV/g



SAF51A
50mV/g



PAF51SU
50mV/g



SAF12C
100mV/g



STAF223
200mV/g



3축 가속도 센서

P.17~18

S04ZSG
0.4pC/g



S2ZSCG
1.6pC/g



S6ZSCBH
6pC/g



SA11ZSCA
10mV/g

SA12ZSCA
100mV/g

3511A2·3512A2
TEDS



SA11ZSC-TI
10mV/g

SA12ZSC-TI
100mV/g

3511A1·3512A1
TEDS



추천품

■ 앰프 내장형 가속도 센서

Model Name	Weight (gm)	Sensitivity (mV/g)	Resonant Frequency (kHz)	Frequency Response (Hz±3dB)	Measurement Range (g)	Shock Limit (g)	Connector	Temperature Range (°C)	Page
소형									
SAR11SCG	0.6	10	50	1~13,000	500	3,000	CZ694(3-56)	-50~+120	15
SA11C	1.9	10	45	1.5~16,000	220	1,000	C29-103R(M3)	-30~+110	15
SA11SC	2.9	10	45	1.5~16,000	220	1,000	C29-103R(M3)	-30~+110	20
일반 용도									
PA11C	14.5	10	52	3~20,000	220	3,000	Miniature(10-32)	-20~+110	20
SA51SC	10	50	40	5~10,000	44	4,900	Miniature(10-32)	-50~+110	15
PA51C	19	50	35	3~12,000	45	3,000	Miniature(10-32)	-20~+110	20
SA12SC	10	100	40	5~10,000	22	4,900	Miniature(10-32)	-50~+110	15
고감도용									
SA13SC	260	1,000	7	0.4~2,000	2	50	Miniature(10-32)	-20~+110	20
SA53SCM	430	5,000	4	0.4~1,000	0.5	100	Miniature(10-32)	-20~+80	20
BA24CM	170	15,000	1.5	0.3~500	0.2	100	Miniature(10-32)	-10~+60	15
극저온용									
SAR12SCLM	71	100	17	5~5,000	20	1,000	Miniature(10-32)	-196~+80	15

■ 설비 감시용 가속도 센서(방수 절연형)

Model Name	Weight (gm)	Sensitivity	Resonant Frequency (kHz)	Frequency Response (Hz±3dB)	Measurement Range (g)	Shock Limit (g)	Connector	Temperature Range (°C)	Page
앰프 내장형									
SAF11	53	10mV/g	45	5~10,000	360	1,000	Cable 0.5m Free	-20~+120	16
SAF51A	48	50mV/g	24	3~10,000	45	1,000	Cable 5m Free	-20~+120	16
PAF51C	49	50mV/g	35	3~10,000	70	1,000	TNC	-20~+120	20
PAF51SU	78	50mV/g	52	5~7,000	70	1,000	Cable 5m Free	-20~+110	16
SAF12C	55	100mV/g	22	3~6,000	35	500	TNC	-20~+120	16
STAF223	70	200mV/g	20	0.1~10,000	11	500	Cable 10m Free	-20~+120	16
전하 출력형									
PF51C	53	50pC/g	29	fc~8,000	500	1,000	TNC	-30~+150	20
SF51SU	80	50pC/g	28	fc~5,000	500	1,000	Cable 5m Free	-20~+150	20
SF42M	170	350pC/g	14	fc~5,000	60	120	Cable 2m BNC	-20~+80	20

■ 3축 가속도 센서

Model Name	Weight (gm)	Sensitivity	Resonant Frequency (kHz)	Frequency Response (Hz±3dB)	Measurement Range (g)	Shock Limit (g)	Connector	Temperature Range (°C)	Page
전하 출력형									
S04ZSG	1.2	0.4pC/g	≥60	fc~20,000	2,500	5,000	Cable 0.3m CZ320×3	-50~+160	17
SW04ZSG	1.3	0.4pC/g	≥60	fc~20,000	2,500	5,000	Cable 2m Miniature(10-32)×3	-50~+160	20
S2ZSCG	5.2	1.6pC/g	≥35	fc~15,000	1,000	10,000	C29-103R(M3)×3	-20~+160	17
S6ZSCBH	60	6pC/g	≥20	fc~8,000	500	500	Miniature(10-32)×3	-30~+250	17
앰프 내장형									
SA11ZSCA	4.4	10mV/g	≥55	(Z)0.5~20,000	500	3,000	CZ664	-50~+120	18
SA12ZSCA	4.4	100mV/g	≥55	(Z)0.5~18,000	45	3,000	CZ664	-50~+110	18
3511A2	4.4	10mV/g	≥55	(Z)0.5~20,000	500	3,000	CZ710	-50~+120	18
3512A2	4.4	100mV/g	≥55	(Z)0.5~18,000	45	3,000	CZ710	-50~+110	18
SA11ZSC-TI	11.1	10mV/g	≥35	1~8,000	400	3,000	DR-4S-4	-50~+110	18
SA12ZSC-TI	11.1	100mV/g	≥35	1~8,000	40	3,000	DR-4S-4	-50~+110	18
BA24ZCFM	1,500	15,000mV/g	≥1	0.4~300	0.25	100	R04-R5F	-20~+60	20

3축 가속도 센서

Triaxial accelerometers

■ 전하 출력형

Model Name	S04ZSG	S2ZSCG	S6ZSCBH
Features	초소형	소형	고온형
Size	 	 	
Unit : mm			
Charge Sensitivity(pC/g)	0.4	1.6	6
Resonant Frequency(kHz)	≥ 60	≥ 35	≥ 20
Frequency Response ※1	Hz \pm 1dB	fc~5,000	fc~5,000
	Hz \pm 3dB	fc~20,000	fc~15,000
Measurement range(\pm g)	2,500	1,000	500
Shock Limit(\pm g)	5,000	10,000	500
Temperature Range($^{\circ}$ C)	-50~+160	-20~+160	-30~+250
Capacitance(pF) ※2	250	700	1,200
Insulation Resistance(M Ω)	$\geq 10,000$	$\geq 10,000$	$\geq 10,000$
Transverse Sensitivity(%)	≤ 5	≤ 5	≤ 5
Thermal Transient Sensitivity(g/ $^{\circ}$ C)	3.6	-	0.012
Base Strain Sensitivity(g/ μ)	0.25	-	0.013
Grounding	Case	Case	Case
Sensing Geometry	Shear	Shear	Shear
Weight(gm)	1.2	5.2	60
Case Material	Titanium	Titanium	Titanium
Connector(P.24)	LN-008(0.3m)CZ320 \times 3	C29-103R(M3) \times 3	Miniature(10-32) \times 3
Mounting Thread	(adhesive)	(adhesive)	10-32 D=5 ϕ 4.2 관통 홀
Accessories Included	-	-	Mtg stud (10-32 \times 10) 육각 Bolt (M4 \times 0.7 \times 20)
Optional Cable(P.22~24)	③ ④	①	⑥
Mounting Adapter(P.25~26)	-	-	-

※1 : fc는 앰프의 시정수에 의해 결정되는 값. $fc = 1/2\pi RC$

※2 : Low-noise 케이블을 포함한 값(커넥터 타입은 2m 표준일 때).

■ 앰프 내장형

Model Name	SA11ZSCA		SA12ZSCA		SA11ZSC-TI		SA12ZSC-TI	
Features	소형		소형		소형		소형	
Size	<p>Unit : mm</p> <p>TEDS (※3) : 3511A2, 3512A2</p>				<p>TEDS (※3) : 3511A1, 3512A1</p>			
Voltage Sensitivity(mV/g)	10		100		10		100	
Resonant Frequency(kHz)	(Z) ≥ 55		(Z) ≥ 55		≥ 35		≥ 35	
Frequency Response(Hz)	(X,Y) 2~ 10,000±5% (Z) 2~15,000±5%		(X,Y) 2~ 7,000±5% (Z) 2~10,000±5%		1~5,000± 1dB		1~5,000± 1dB	
	(X,Y) 0.5~15,000±3dB (Z) 0.5~20,000±3dB		(X,Y) 0.5~10,000±3dB (Z) 0.5~18,000±3dB		1~8,000± 3dB		1~8,000± 3dB	
Measurement range(±g)	500		45		400		40	
Shock Limit(±g)	3,000		3,000		3,000		3,000	
Temperature Range(°C)	- 50~+ 120(~5mA) - 50~+ 80(~10mA)		- 50~+ 110(~5mA) - 50~+ 80(~10mA)		- 50~+ 110(~5mA) - 50~+ 70(~10mA)		- 50~+ 110(~5mA) - 50~+ 70(~10mA)	
Transverse Sensitivity(%)	≤ 5		≤ 5		≤ 5		≤ 5	
Output Impedance(Ω)	≤ 100		≤ 500		≤ 1,000		≤ 1,000	
Thermal Transient Sensitivity(g/°C)	0.03		0.06		0.02		-	
Base Strain Sensitivity(g/μ)	0.014		0.017		0.036		-	
Grounding	Case		Case		Case		Case	
Sensing Geometry	Shear		Shear		Shear		Shear	
Weight(gm)	4.4		4.4		11.1		11.1	
Case Material	Titanium		Titanium		Titanium		Titanium	
Connector(P.24)	CZ664		CZ664		DR-4S-4		DR-4S-4	
Mounting Thread	Female(M3 • D=2)		Female(M3 • D=2)		Female(M5 • D=3.5)		Female(M5 • D=3.5)	
Accessories Included	Mtg Stud (M3×0.5×4)	전용 Stud	Mtg Stud (M3×0.5×4)	전용 Stud	Mtg Stud (M5×0.8×8)	전용 Stud	Mtg Stud (M5×0.8×8)	전용 Stud
Power Requirement	21~30VDC, 2~10mA		21~30VDC, 2~10mA		21~24VDC, 0.5~10mA		21~24VDC, 0.5~10mA	
Optional Cable(P.22~24)	⑧ ⑨		⑧ ⑨		⑩ ⑪		⑩ ⑪	
Mounting Adapter(P.25~26)	⑪		⑪		⑫		⑫	

※3 : Transducer Electronic Data Sheet (IEEE1451.4 Template Ver.1.0)

■ 앰프 내장형 가속도 센서

SA11SC	PA11C	PA51C	SA13SC	SA53SCM
<p>Mounting thread Female(M3*P0.5*D2)</p>	<p>Mounting thread Female(M6*P1*D5)</p>	<p>Mounting thread Female(M6*P1*D5)</p>	<p>Mounting thread Female(M6*P1*D5)</p>	<p>Mounting thread Female(M8*P1.25*D8)</p>

■ 설비 감시용 가속도 센서(방수 절연형)

PAF51C	PF51C	SF51SU	SF42M
<p>앰프 내장형</p> <p>Mounting thread Female(M6*P1*D5)</p>	<p>전하 출력형</p> <p>Mounting thread Female(M6*P1*D5)</p>	<p>● 전용 Stud</p>	<p>Mounting thread Female(M6*P1*D5)</p>

■ 3축 가속도 센서

SW04ZSG	BA24ZCFM
	<p>앰프 내장형</p>